

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Chi et al.

**Application No.:** Not Yet Known

**Filed:** Not Yet Known

**For:** MANUFACTURING METHOD AND  
APPARATUS OF FIBER COUPLER

**Group:** Not Yet Known

**Examiner:** Not Yet Known

**Our File:** DEE-PT139

**Date:** December 5, 2003

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form.

Pursuant to Pre-Official Gazette Notice signed July 11, 2003 waiving the requirements under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003, copies of the cited U.S. documents have not been included. Copies of all other cited references are enclosed.

**Applicant:** Chi et al.  
**Application No.:** Not Yet Known

References AF, AG and AH are provided in the Chinese language. English language abstracts of each reference are provided herewith. The relevance of the references may be found in the abstracts.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Sien Chi et al.

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CFK/RJB/djw  
Enclosures

<b>FORM PTO-1449</b>  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)										ATTY. DOCKET NO. DEE-PT139			SERIAL NO. Not Yet Known		
APPLICANT Chi et al.										FILING DATE Not Yet Known			GROUP Not Yet Known		
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
AA	5	7	8	1	6	7	5	07/1998	Tseng et al.						
AB	5	9	9	9	6	8	4	12/1999	Bloom						
AC	6	0	1	8	9	6	5	02/2000	Bloom						
AD	6	3	8	5	3	7	2	05/2002	Yang						
AE	6	3	9	2	7	8	9	05/2002	Paek et al.						
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
		YES	NO												
AF	3	6	0	8	0	7	07/1997	TW				X*			
AG	4	4	8	3	2	3	06/2000	TW				X*			
AH	4	9	3	0	9	0	07/2001	TW				X*			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
AI	Matthew N. McLandrich, et al., "Polarization Independent Narrow Channel Wavelength Division Multiplexing Fiber Couplers for 1.55 $\mu\text{m}$ ", April 1991, Journal of Lightwave Technology, Vol. 9, No. 4, pages 442-447														
AJ	B.S. Kawasaki, K.O. Hill, and R.G. Lamont, "Biconical-Taper Single Fiber Coupler", July 1981 Optics Letter, Vol. 6, No. 7, pages 327-328														
AK	Michael Digonnet and H.J. Shaw, "Wavelength Multiplexing In Single-Mode Fiber Couplers" February 1983, Applied Optics, Vol. 22, No. 3, pages 484-491														
AL	Ssu-Pin Ma and Shiao-Min Tseng, "High-Performance Side-Polished Fibers and Applications as Liquid Crystal Clad Fiber Polarizers", August 1997, Journal of Lightwave Technology, Vol. 15, No. 8, pages 1554-1558														
AM	Hussey, C.D. and Minelly, J.D., "Optical Fibre Polishing With a Motor-Driven Polishing Wheel", June 1998, Electronics Letters, Vol. 24, No. 13, pages 805-807														
EXAMINER									DATE CONSIDERED						

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* English Translation of Abstract Only

<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)										<b>ATTY. DOCKET NO.</b> DEE-PT139			<b>SERIAL NO.</b> Not Yet Known					
										<b>APPLICANT</b> Chi et al.								
										<b>FILING DATE</b> Not Yet Known						<b>GROUP</b> Not Yet Known		
U.S. PATENT DOCUMENTS																		
EXAMINER INITIAL			DOCUMENT NUMBER						DATE	NAME				CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	AN		20	02	01	36	5	08	A1	09/2002	Donno et al.							
FOREIGN PATENT DOCUMENTS																		
			DOCUMENT NUMBER						DATE	COUNTRY				CLASS	SUBCLASS	TRANSLATION		
																	YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																		
	AO		C. V. Cryan and C. D. Hussey, "Fused Polished Singlemode Fibre Couplers", January 1991															
			Electronics Letter, Vol. 28 No. 2, pages 204-205															
	AP		W. Shin, U.C. Ryu and K. Oh, "OH Absorption-Induced Loss in Tapered Singlemode Optical Fibre",															
			February 2002, Electronics Letters, Vol. 38 No. 5, pages 214-215															
	AQ		C.V. Cryan, M. O. Donnchadha, J.M. Lonergan and C. D. Hussey, "Fused Polished Polarization-Maintaining															
			Fibre Couplers", April 1992, Electronics Letters, , pages 857-858															
	AR		N. K. Chen, S. Chi, and S.M. Tseng, "Fused-polished fiber couplers", October 2003															
			Proceedings of OECC'2003, Vol. 23, pages 299-300															
EXAMINER										DATE CONSIDERED								

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.